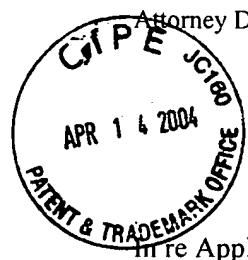


Attorney Docket No.: 143385



I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 12, 2004

Eric W. Guttag

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Irene SPITSBERG et al : Group Art Unit:

Serial No. 10/748,513 : Confirmation No.:

Filed: December 30, 2003 :

For: THERMAL BARRIER COATINGS WITH IMPROVED
IMPACT AND EROSION RESISTANCE

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.56, 1.97 and 1.98
(WITHIN 3 MONTHS OF FILING OR PRIOR TO FIRST OFFICE ACTION)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.56, 1.97 and 1.98, Applicants request the Examiner to make of record the documents listed on the attached PTO-1449 forms. Copies of the listed documents that are not U.S. patent documents are also enclosed. In accordance with MPEP 609, the Examiner is requested to initial each document listed on the attached PTO-1449 forms in the space provided, make a copy of the initialed form, and return the copy to Applicants' attorney.

Applicants also request the Examiner to consider and make of record certain copending U.S. application(s) that are listed in the attached Table entitled "Copending U. S. Patent Applications." Copies of the copending application(s) listed in the attached Table are also enclosed. In accordance with MPEP 609, the Examiner is requested to initial each copending application listed on the attached Table in the space provided, make a copy of the initialed Table, and return the copy to Applicants' attorney.

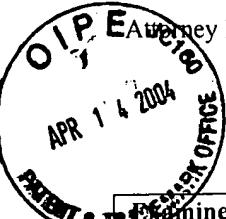
This paper and the enclosed documents are being submitted in accordance with 37 CFR 1.97(b), i.e., within three (3) months of the application filing date or prior to a first Office Action on the merits.

Respectfully submitted,

For: Irene SPITSBERG et al

By Eric W. Guttag
Eric W. Guttag
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Customer No. 31838

April 12, 2004



Attorney Docket No.: 143385

COPENDING U. S. PATENT APPLICATIONS

Examiner Initial	Applicant(s)	Serial No.	Filing Date	Attorney Docket No.
	Gorman et al	10/748,516	12/30/03	127051
	Boutwell et al	10/748,517	12/30/03	127084
	Darolia et al.	10/748,519	12/30/03	128895
	Spitsberg et al.	10/748,508	12/30/03	129967
	Spitsberg et al	10/748,520	12/30/03	129968
	Spitsberg et al	10/748,521	12/30/03	130706
	Spitsberg et al	10/748,518	12/30/03	130707



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	1	Application Number	10/748,513
				Filing Date	December 30, 2003
				First Named Inventor	Irene Spitsberg
				Art Unit	
				Examiner Name	
				Attorney Docket Number	143385

U. S. P A T E N T D O C U M E N T S

Exam. Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	US-	4,753,902	06/28/1988	Ketcham	
	US-	4,861,618	08/29/1989	Vine et al.	
	US-	5,180,696	01/19/1993	Inoue	
	US-	5,350,599	09/27/1994	Rigney et al.	
	US-	5,384,200	01/24/1995	Giles et al.	
	US-	5,705,231	01/06/1998	Nissley et al.	
	US-	5,789,330	08/04/1998	Kondo et al.	
	US-	5,824,089	10/20/1998	Rieger	
	US-	5,942,334	08/24/1999	Wortman	
	US-	5,981,088	11/09/1999	Bruce et al.	
	US-	6,025,078	02/15/2000	Rickerby et al.	
	US-	6,054,184	04/25/2000	Bruce et al.	
	US-	6,117,560	09/12/2000	Maloney	
	US-	6,123,997	09/26/2000	Schaeffter et al.	
	US-	6,183,884	02/06/2001	Rickerby	
	US-	6,284,325 B1	09/04/2001	Maloney	
	US-	6,319,614 B1	11/20/01	Beele	
	US-	6,333,118 B1	12/21/2001	Alperine et al.	
	US-	6,352,788 B1	03/05/2001	Bruce	
	US-	6,387,526 B1	05/14/2002	Beele	
	US-	6,465,090 B1	10/15/2002	Stowell et al.	
	US-	2002/017283 A1	11/21/2002	Rigney et al.	
	US-	2003/0044624 A1	03/06/2003	Spitsberg et al.	
	US-	2003/0049470 A1	03/13/2003	Maloney	
	US-	2003/0059633 A1	03/27/2003	Ackerman et al.	
	US-	2003/0224200 A1	12/04/2003	Bruce	

O T H E R P R I O R A R T – N O N P A T E N T L I T E R A T U R E D O C U M E N T S

Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) volume-issue number(s), publisher, city and/or country where published.	T ²
		HWANG et al., "Grain Size Control of Tetragonal Zirconia Polycrystals Using the Space Charge Concept", J. Am. Ceram. Soc., 1990, 73(11):3269-77	
		KIM, "Effect of Ta ₂ O ₅ , Nb ₂ O ₅ , and HfO ₂ Alloying on the Transformability of Y ₂ O ₃ -Stabilized Tetragonal ZrO ₂ ", J. Am. Ceram. Soc., 73(1):115-120	
		BRUCE, "Development of 1232C (2250 F) Erosion and Impact Tests for Thermal Barrier Coatings", Tribology Trans., 41(4); 399-410, (1998)	

Examiner Signature	Date Considered
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